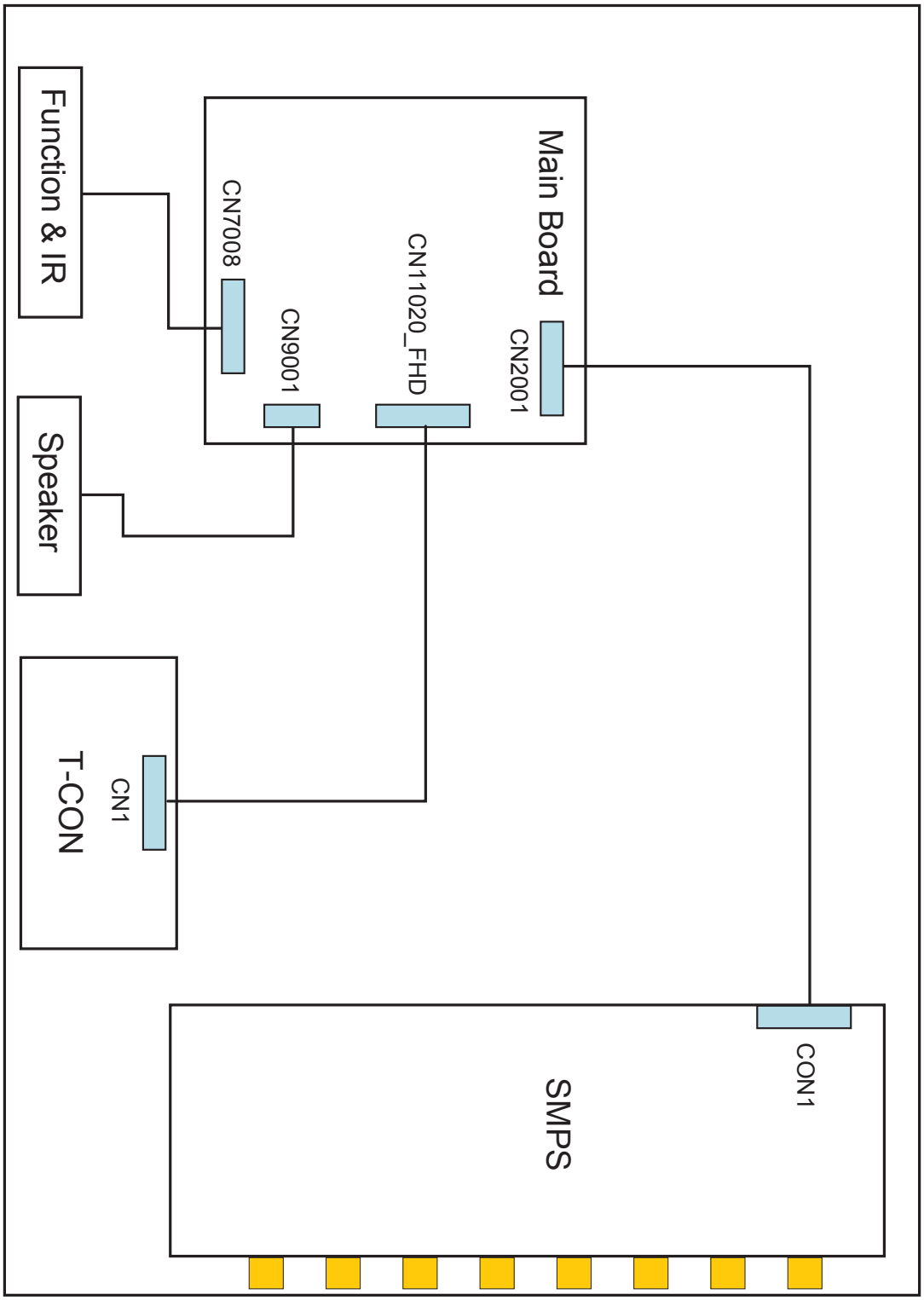
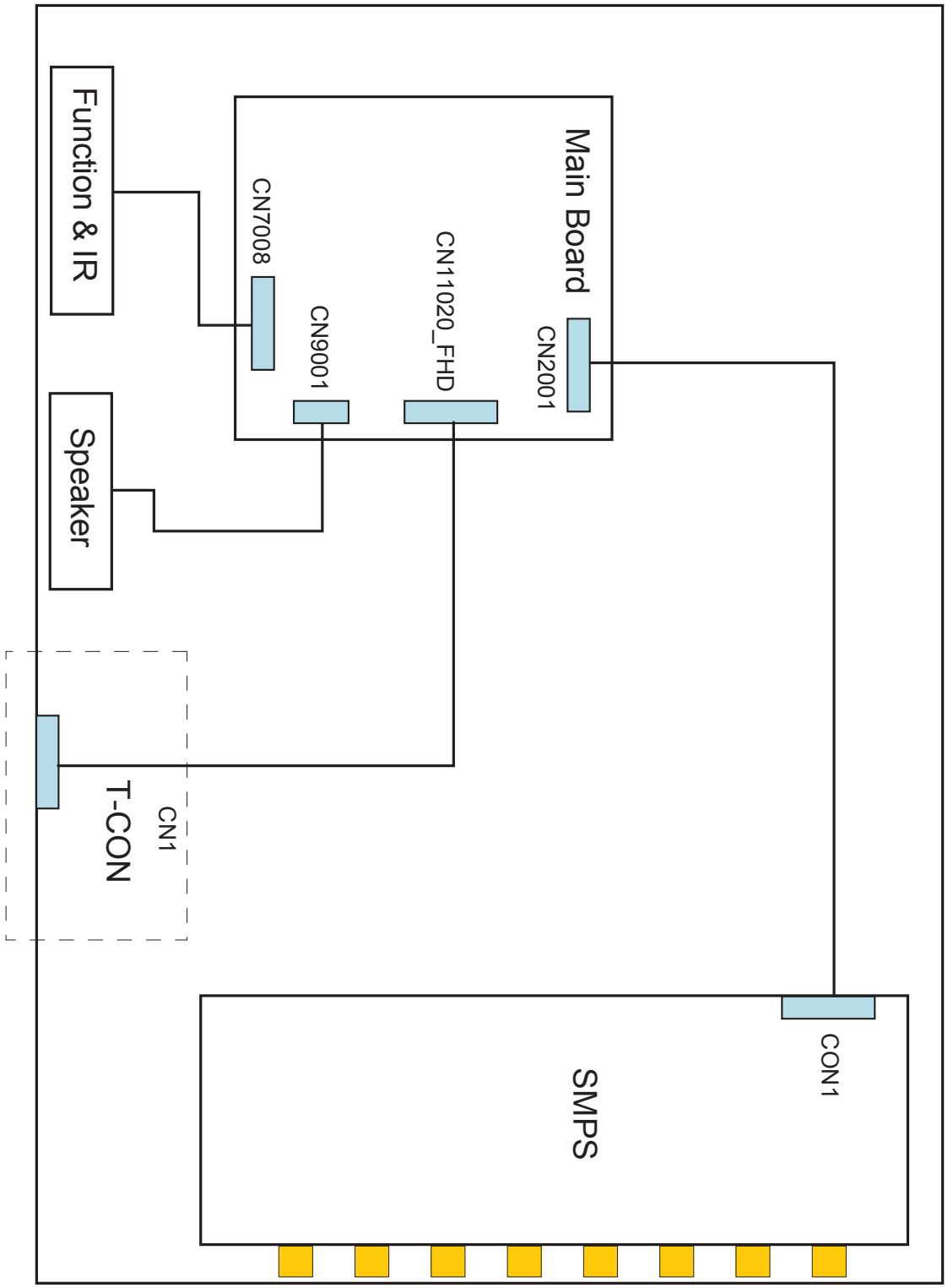
6. Wiring Diagram

6-1. FHD Model Wiring Diagram



6-2. HD Model Wiring Diagram



AUO FHD Panel

Pin No	Symbol	Description
1	Power	12V
2	Power	12V
3	Power	12V
4	Power	12V
5	Power	12V
6	GND	GND
7	GND	GND
8	GND	GND
9	GND	GND
10	RO[O]-	Odd LVDS Signal-
11	RO[O]+	Odd LVDS Signal+
12	RO[1]-	Odd LVDS Signal-
13	RO[1]+	Odd LVDS Signal+
14	RO[2]-	Odd LVDS Signal-
15	RO[2]+	Odd LVDS Signal+
16	GND	GND
17	ROCLK-	Odd LVDS CLK-
18	ROCLK+	Odd LVDS CLK+
19	GND	GND
20	RO[3]-	Odd LVDS Signal-
21	RO[3]+	Odd LVDS Signal+
22	NC	NC
23	NC	NC
24	GND	GND
25	RE[O]-	Even LVDS Signal-
26	RE[O]+	Even LVDS Signal+
27	RE[1]-	Even LVDS Signal-
28	RE[1]+	Even LVDS Signal+
29	RE[2]-	Even LVDS Signal-
30	RE[2]+	Even LVDS Signal+
31	GND	GND
32	RECLK-	Even LVDS CLK+
33	RECLK+	Even LVDS CLK-
34	GND	GND
35	RE[3]-	Even LVDS Signal-
36	RE[3]+	Even LVDS Signal+
37	NC	NC
38	NC	NC
39	GND	GND
40	SCL	EEPROM SCL
41	NC	NC
42	NC	NC
43	WP	EEPROM WP
44	SDA	EEPROM SDA
45	LVDS_SEL	Open,High/Low
46	NC	NC
47	NC	NC
48	NC	NC
49	NC	NC
50	NC	NC
51	NC	NC

CMO HD Panel		
Pin No	**Symbol**	**Description**
1	NC	NC
2	SCL	SCL
3	SDA	SDA
4	GND	GND
5	R_0-	LVDS Signal-
6	R_0+	LVDS Signal+
7	GND	GND
8	R_1-	LVDS Signal-
9	R_1+	LVDS Signal+
10	GND	GND
11	R_2-	LVDS Signal-
12	R_2+	LVDS Signal+
13	GND	GND
14	R_CLK-	LVDS CLK-
15	R_CLK+	LVDS CLK+
16	GND	GND
17	R_3-	LVDS Signal-
18	R_3+	LVDS Signal+
19	GND	GND
20	NC	NC
21	LVDS_SEL	VESA/JEIDA
22	WP	WP
23	GND	GND
24	GND	GND
25	GND	GND
26	VDD	Panel_VCC_12V
27	VDD	Panel_VCC_12V
28	VDD	Panel_VCC_12V
29	VDD	Panel_VCC_12V
30	VDD	Panel_VCC_12V

CN2001(POWER)	
1	GND
2	GND
3	DET_5V
4	GND
5	PWM_DIMMING_OUT
6	GND
7	INVERTER
8	ANA_DIMMING_OUT
9	B13V_PW
10	B13V_PW
11	B13V_PW
12	GND
13	GND
14	GND
15	B5V_PW
16	B5V_PW
17	B5V_PW
18	B5V_PW
19	GND
20	GND
21	GND
22	GND
23	B12VS_PW
24	B12VS_PW
25	GND
26	GND
27	A5V_PW
28	GND
29	SW_POWER
30	MSTAR_H_OUT

CN901 (HDMI1)	
1	HDMI_RX2+_HDMI
2	GND
3	HDMI_RX2-_HDMI
4	HDMI_RX1+_HDMI
5	GND
6	HDMI_RX11_HDMI
7	HDMI_RX0+_HDMI
8	GND
9	HDMI_RX0-_HDMI
10	HDMI_RXCLK+_HDMI
11	GND
12	HDMI_RXCLK-_HDMI
13	CEC
14	NC
15	HDMI_DDC_SCL
16	HDMI_DDC_SDA
17	GND
18	IDENT_HDMI
19	HDMI_HOT_PLUG

CN9002(Audio OUT)	
1	GND
2	ANY_SC2_SL_OUT
3	ANY_SC2_SL_OUT
4	GND
5	ANY_SC2_SR_OUT
6	ANY_SC2_SR_OUT

CN5001(PC IN)	
1	PC_RED
2	PC_GREEN
3	PC_BLUE
4	UART_TX2
5	GND
6	GND
7	GND
8	GND
9	PC_5V
10	IDENT_PC
11	UART_RX2
12	SDA_D
13	H_SYNC
14	V_SYNC
15	SCL_D

CN6001 (USB_SERVICE)	
1	B5V_USB_PW
2	USB_DM
3	USB_DP
4	GND

CN5010 (SERVIE JACK)	
1	GND
2	SERVICE_ANY_RX
3	SERVICE_ANY_TX
4	GND
5	GND
6	GND
7	GND

CN5011 (PC Sound)	
1	GND
2	PC_SR_IN
3	PC_SL_IN
4	NC
5	NC
6	NC
7	NC

CN7010 (OPTICAL JACK)	
1	VIN
2	VCC
3	GND

CN9001 (SOUND OUT)	
1	R+
2	R-
3	L+
4	L-

CN7008(Function)	
1	IR
2	GND
3	A5V_1_PW
4	LED_STB
5	NC
6	KEY_INPUT1
7	KEY_INPUT2
8	GND
9	A5V_1_PW
10	NC

CN7005(Side_AV)	
1	GND
2	IDENT_SIDE_AV
3	AV2_CVBS
4	GND
5	SIDE_AV_SR_IN
6	SIDE_AV_SL_IN
7	GND
8	SIDE_AV_SL_IN
9	SIDE_AV_SR_IN

CN5003(Component1/AV1)	
1	GND
2	IDENT_AV
3	Comp1_Y / AV1_CVBS
4	GND
5	IDENT_Comp1
6	Comp1_Pb
7	GND
8	IDENT_Comp1
9	Comp1_Pr

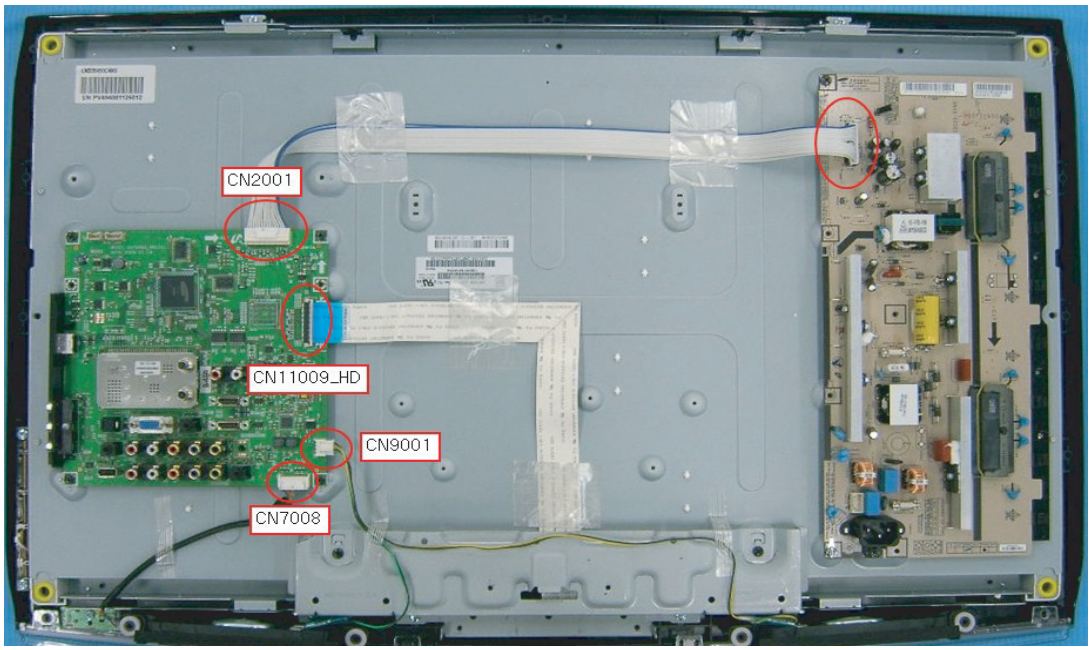
CN5005(Component2)	
1	GND
2	IDENT_COMP2
3	Comp2_Y
4	GND
5	NC
6	Comp2_Pb
7	GND
8	NC
9	Comp2_Pr

CN3204(HeadPhone)	
1	GND
2	HP_OUT_R
3	HP_OUT_L
4	HP_OUT_L
5	HP_OUT_L
6	GND
7	IDENT_HP

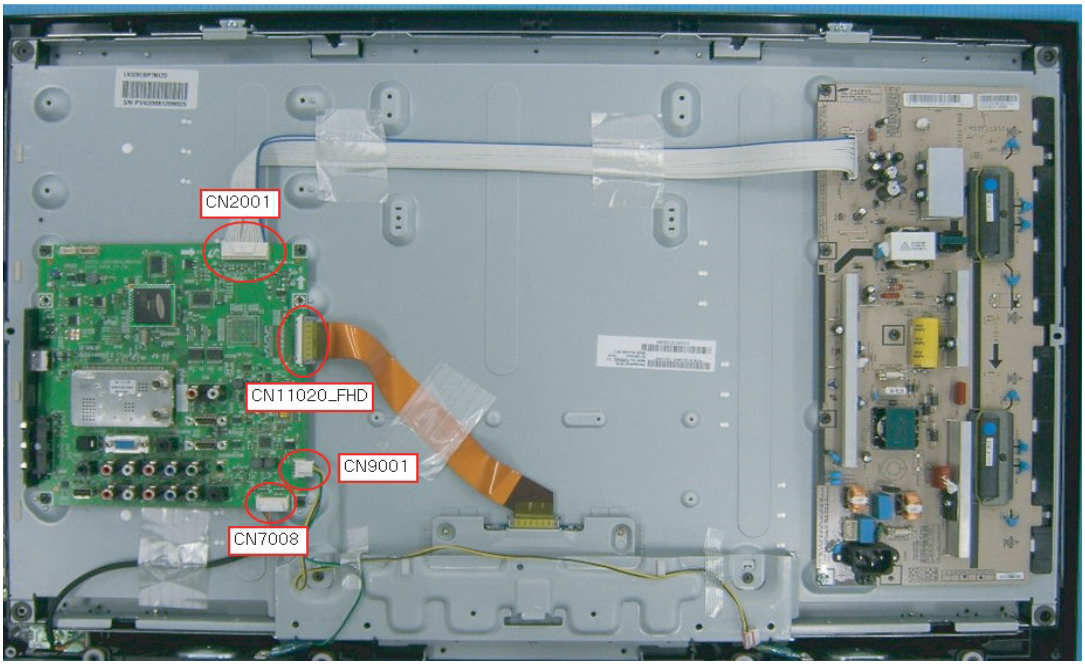
CN5002 (Component1/AV1 Sound)	
1	GND
2	COMP1_SR_IN
3	COMP1_SL_IN
4	GND
5	COMP1_SL_IN
6	COMP1_SR_IN

CN5004 (Component2 Sound)	
1	GND
2	COMP2_SR_IN
3	COMP2_SL_IN
4	GND
5	COMP2_SL_IN
6	COMP2_SR_IN

6-2. Wiring Picture



*HD_Model

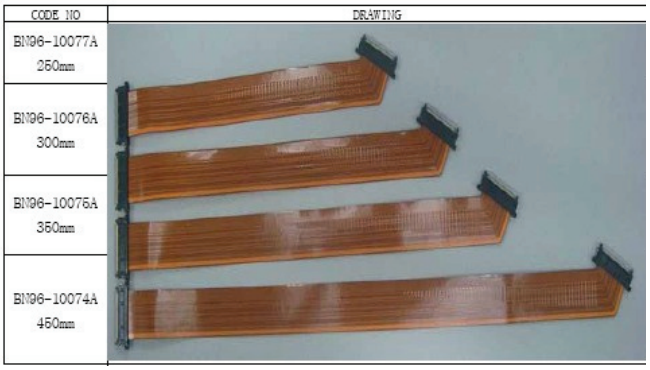
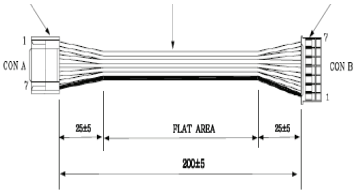
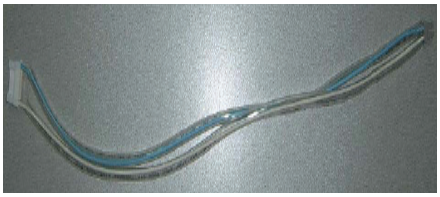
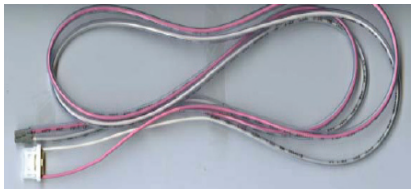


*FHD_Model”

6-3. Connector Functions

Connector	Functions
Panel <->CN11020_FHD,CN11009_DH	The LVDS signal transfered Panel to Main Board. * defective symptom : No pcture but normal sound
IP <-> CN2001	Supply main power from IP,SMPS to Main Board. * defective symptom : No picture, diable Power On/Off

6-4. Cables

<table>
<tr><td>Code</td><td>BN96-07611Q(LVDS_HD 40Inch, 435mm)</td><td>BN96-07611P(LVDS_HD 37Inch, 375mm)</td></tr>
<tr><td>Photo</td><td> </td><td> </td></tr>
<tr><td>Code</td><td>BN96-07766K(LVDS_HD 32Inch, 385mm)</td><td>BN96-07766K(LVDS_HD 32Inch, 385mm)</td></tr>
<tr><td>Photo</td><td> </td><td> </td></tr>
<tr><td>Code</td><td colspan="2">BN39-01099A(26Inch_30P, 400mm)
BN39-01099H(32Inch_30P, 500mm)
BN39-01099B(37/40Inch_30P, 800mm)
BN39-01099K(46Inch_30P, 700mm)</td></tr>
<tr><td>Photo</td><td colspan="2"> </td></tr>
<tr><td>Code</td><td colspan="2">BN96-10075A(LVDS_FHD 46Inch, 350mm)
BN96-10076A(LVDS_FHD 37/40Inch, 300mm)
BN96-10077A(LVDS_FHD 32Inch, 250mm)</td></tr>
<tr><td>Photo</td><td colspan="2"> 
</td></tr>
<tr><td>Code</td><td>BN39-00830B(46Inch_FHD_5P, 200mm)</td><td>BN39-01021A(46Inch_FHD_2P, 400mm)</td></tr>
<tr><td>Photo</td><td> 
</td><td>  </td></tr>
<tr><td>Code</td><td>BN39-01021C(46Inch_FHD_2P, 1100mm)</td><td></td></tr>
<tr><td>Photo</td><td>  </td><td></td></tr>
</table>

■ T-Con Board SVC Parts Code for each Model

Project	Model Code	Side Label	T-Con code	Remark	Disponibilidad *	STOCK SECH
LB4C	LN26B450C4M	AO01	T-Con is built-in type	2009 Product		
	LN32B450C4M	CN01	T-Con is built-in type	2009 Product		
	LN37B450C4M	AA01	BN81-02367A	2009 Product		
	LN40B450C4M	AA01	BN81-02374A	2009 Product		
LB5P	LN32B530P2M	AA01	BN81-02345A	2009 Product		
	LN37B530P2M	AA01	BN81-02368A	2009 Product		
	LN40B530P2M	CN01	BN81-02390A	2009 Product		
	LN46B530P2M	AA01	BN81-02381A	2009 Product		